L Number	r Hits	Search Text	I DD	
157	1974		DB USPAT	Time stamp 2004/05/07 07:29
		(fluid solvent slurry))	USFAI	2004/05/07 07:29
158	392		USPAT	2004/05/07 07:30
		(fluid solvent slurry))	001111	2004/03/07 07:30
159	324		USPAT	2004/05/07 07:30
		(fluid solvent slurry))not (438/14 216/38		2001/03/07 07:30
		216/84 216/86) and (chang\$3 near5 (fluid	1	
		solvent slurry))		
_	114	(156/345.12,156/345.31, 156/345.32).ccls.	USPAT	2004/05/07 05:39
] -	1667		USPAT	2002/10/22 12:28
1_	1708	451/66 216/88		[
	1708	((156/345.12,156/345.31, 156/345.32).ccls.) (438/692.ccls.	USPAT	2002/12/28 09:48
		414/(271,940,941,938).ccls. 451/66 216/88)		
-	194	(((156/345.12,156/345.31,	USPAT.	2002/10/20 10 20
		156/345.32).ccls.) (438/692.ccls.	USPAI.	2002/10/22 12:30
		414/(271,940,941,938).ccls. 451/66		
		216/88)) and ((thickness depth metrology)		
		same (clean\$3 buff\$3 wash\$3 rins\$3))		
-	408	(((156/345.12,156/345.31,	USPAT	2002/10/22 12:34
		156/345.32).ccls.) (438/692.ccls.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		414/(271,940,941,938).ccls. 451/66		
		216/88)) and (multiple plural\$3) with		
<u>-</u>	59	(polish\$3 clean\$3)		İ
] 39	((((156/345.12,156/345.31, 156/345.32).ccls.) (438/692.ccls.	USPAT	2002/10/22 12:31
		414/(271,940,941,938).ccls. 451/66		
1		216/88)) and ((thickness depth metrology)		
		same (clean\$3 buff\$3 wash\$3 rins\$3))) and		
		((((156/345.12,156/345.31,		
		156/345.32).ccls.) (438/692.ccls.	1	1
		414/(271,940,941,938).ccls. 451/66		
		216/88)) and (multiple plural\$3) with		
		(polish\$3 clean\$3))		1
-	211	(((((156/345.12,156/345.31,	USPAT	2002/10/22 12:32
	i	156/345.32).ccls.) (438/692.ccls.		1
		414/(271,940,941,938).ccls. 451/66 216/88)) and ((thickness depth metrology)		l i
		same (clean\$3 buff\$3 wash\$3 rins\$3)))		1
		((((156/345.12,156/345.31,		
	1	156/345.32).ccls.) (438/692.ccls.		1
		414/(271,940,941,938).ccls. 451/66		
		216/88)) and (multiple plural\$3) with		
]		(polish\$3 clean\$3))) and (elevator		
	2.	cassette vertical\$2)		· ·
] -	31		USPAT	2002/10/22 12:33
İ		156/345.32).ccls.) (438/692.ccls.		
	Į l	414/(271,940,941,938).ccls. 451/66 216/88)) and ((thickness depth metrology)		
		same (clean\$3 buff\$3 wash\$3 rins\$3))) and		
		((((156/345.12,156/345.31,		
		156/345.32).ccls.) (438/692.ccls.		,
		414/(271,940,941,938).ccls. 451/66		
	1 1	216/88)) and (multiple plural\$3) with		
	1	(polish\$3 clean\$3))) and (elevator		
	20	cassette vertical\$2)		
-	38	(((156/345.12,156/345.31,	USPAT	2002/10/22 12:44
]	[[156/345.32).ccls.) (438/692.ccls.		
1		414/(271,940,941,938).ccls. 451/66		
]	216/88)) and (multiple plural\$3) with (polish\$3 and clean\$3)		
	9770	(planariz\$5 polish\$3) same (clean\$3 rins\$3	FDO: TDO:	2002/10/22 12 52
		wash\$3)	EPO; JPO; DERWENT	2002/10/22 12:53
-	1815	((planariz\$5 polish\$3) same (clean\$3	EPO; JPO;	2002/10/22 12:55
		rins\$3 wash\$3)) and (semiconductor wafer)	DERWENT	2002/10/22 12:55
-	73	(((planariz\$5 polish\$3) .same (clean\$3	EPO; JPO;	2002/10/22 12:55
		rins\$3 wash\$3)) and (semiconductor wafer))	DERWENT	,,
		and (thickness metrology depth width) with		
	L	(clean\$3 rins\$3 wash\$3)		

-	7	(0000001)	USPAT	2002/10/31 11:23
	l	or ("6110024") or ("6168683") or	1	
_	2	("5830045") or ("5827110")).PN. (("2001257248") or ("81744417")).PN.	100	
	1	((2001237246) Of (81744417)).PN.	JPO; DERWENT	2003/05/29 14:22
-	1774	((156/345.12,156/345.31,	USPAT	2002/12/28 09:48
	1	156/345.32).ccls.) (438/692.ccls.	USFAI	2002/12/28 09:48
1		414/(271,940,941,938).ccls. 451/66 216/88)		
-	1356		USPAT	2002/12/28 10:02
İ		156/345.32).ccls.) (438/692.ccls.		12002, 12, 20 10.02
	1	414/(271,940,941,938).ccls. 451/66 216/88)		
) and (metrology thickness measur\$3)	1.	
-	510	, (((===,====,===,===,===,	USPAT	2002/12/28 10:01
ļ		156/345.32).ccls.) (438/692.ccls.	İ	
		414/(271,940,941,938).ccls. 451/66 216/88)	1	
	ļ) and (metrology thickness measur\$3)) and		
	·	(clean\$3 polish\$3) near5 (metrology thickness measur\$3)		
i _	0	1	HCDAM	2000/10/00 10 00
]	145		USPAT	2002/12/28 10:01
-	95		USPAT	2002/12/28 10:02 2002/12/28 10:02
ł		(metrology thickness measur\$3)	OSIAI	2002/12/28 10:02
-	158	"5655954" [`] "5337015" "5948203"	USPAT	2003/03/12 13:19
-	3	("5655954" "5337015" "5948203").pn.	USPAT	2003/03/12 13:19
-	0	(156/345.13).CCLS.	JPO;	2003/05/29 14:22
			DERWENT	11.22
-	51	, , , , , , , , , , , , , , , , , , , ,	USPAT	2003/05/29 14:33
-	0	1 (,	USPAT	2003/05/29 14:34
	443	451/66).CCLS.		·
_	441		USPAT	2003/05/29 14:34
-	437	(156/345.32) or (451/66)).CCLS.		
	437	(((156/345.12) or (156/345.31) or (156/345.32) or (451/66)).CCLS.) not	USPAT	2003/05/29 14:48
		((156/345.32) OF (431/66)).CCLS.) NOT		
_	165	"5655954" "5337015" "5948203"	USPAT	2002/05/20 14 50
-	6747	kimura-\$.in. koitama-\$.in. akagi-\$.in.	USPAT	2003/05/29 14:58 2003/05/29 14:59
	390	(kimura-\$.in. koitama-\$.in. akagi-\$.in.)	USPAT	2003/05/29 14:59
		and (polish\$3 planariz\$5 abrad\$3)		2003/03/23 14.39
_	386	((kimura-\$.in. koitama-\$.in. akagi-\$.in.)	USPAT	2003/05/29 15:01
		and (polish\$3 planariz\$5 abrad\$3)) not		
		(((156/345.13).CCLS.) (((156/345.12) or	İ	
		(156/345.31) or (156/345.32) or		
	į l	(451/66)).CCLS.) ((((156/345.12)) or		
	ļ	(156/345.31) or (156/345.32) or (451/66)).CCLS.) not		
		((156/345.13).CCLS.)))		
-	234	(((kimura-\$.in. koitama-\$.in. akagi-\$.in.)	TICDAM	2002/05/00 15 00
		and (polish\$3 planariz\$5 abrad\$3)) not	USPAT	2003/05/29 15:02
	.	(((156/345.13).CCLS.) (((156/345.12) or		
		(156/345.31) or (156/345.32) or		
		(451/66)).CCLS.) ((((156/345.12)) or		
ĺ		(156/345.31) or (156/345.32) or		
		(451/66)).CCLS.) not		
		((156/345.13).CCLS.)))) and (atomiz\$5		1.
		control\$3)		'
-	116	((((kimura-\$.in. koitama-\$.in.	USPAT	2003/05/29 15:02
		akagi-\$.in.) and (polish\$3 planariz\$5		
		abrad\$3)) not (((156/345.13).CCLS.)		į . l
		(((156/345.12) or (156/345.31) or		
	. [(156/345.32) or (451/66)).CCLS.) ((((156/345.12) or (156/345.31) or		
]		(156/345.32) or (156/345.31) or (156/345.32) or (451/66)).CCLS.) not		
İ		((156/345.13).CCLS.)))) and (atomiz\$5		
1		control\$3)) and (wafer semiconductor)		
-	9	("5665954" "5948203" "6036582" "6050884"	USPAT	2003/05/30 10:07
		"6227950" "5337015" "5827110" "5830045"		2003/03/30 10:0/
ļ		"6110024").pn.		
- [1	5655954.pn.	USPAT	2003/05/30 12:56
		156/345.14	USPAT	2003/05/30 13:02
-	23	brim and (plasma with etch\$3)	USPAT	2003/05/30 13:02
	204	156/345.12.ccls. 156/345.22.ccls.	USPAT	2003/06/09 15:15

156/345.13.ccls. 156/345.22.ccls. 156/345.13.ccls. 156/345.14. 156/345.15. 156	156/45.13.ccls. 156/345.12.ccls. 156/345.12.ccls. 156/345.13.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.26.ccls. 156/345.14.ccls. 156/345.15.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.14.ccls. 156/345.15.ccls. 156/345.14.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.14.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.ccls. 156/345.15.c	156/345.13.ccls. 156/345.22.ccls.) 156/345.12.ccls. 156/345.22.ccls.) 156/345.13.ccls. 136/345.22.ccls.) 156/345.13.ccls. 136/345.13.ccls. 136/345.13.ccls. 136/345.13.ccls. 136/345.13.ccls. 136/345.15 1538 126/345.15 126/345.						
0	30	-	_		251	(===;==================================	USPAT	2003/06/09 15:21
156/345.13.ccis.] and (detect3 monitor33)	156/345.13.ccis.] and (detect3 monitor\$3)	156/345.13.ccls.) and (detect3 monitor\$3)	_	,	3(HCDAM	0000100110 00 00
1518 256/38 216/84 216/88 216/99 and USPAT 2003/06/10 09:15	with thickness 158 216/84 216/88 216/89 316/89 and	#ith thickness with thickness 158 216/88 216/88 216/88 216/88 216/89 10927 2003/06/10 09:15 100 (1216/38 216/84 216/84 216/89 216/89) and USPAT 2003/06/10 09:15 100 (126/38 126/84 216/84 216/89) and USPAT 2003/06/10 09:15 100 (126/38 126/84 216/84 216/89) and USPAT 2003/06/10 09:15 100 (126/38 126/84 126/89) and USPAT 2003/06/10 11:17 156/345.15 USPAT 2003/06/10 11:17 156/345.16 USPAT 2003/06/10 11:27 2003/06/11 13:42 2				156/345.13.ccls.) and (detect\$3 monitor\$3)	USPAT	2003/06/10 08:20
16	103	16					Ī	
16	100 ((216/38 216/84 216/88) and USFAT 2003/06/10 09:52 2003/06/10 09:52 2003/06/10 09:52 2003/06/10 09:52 2003/06/10 09:52 2003/06/10 09:52 2003/06/10 11:57 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 13:45 2003/	100 ((216/38 216/88 216/89) and USFAT 2003/06/10 09:12 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 09:15 2003/06/10 11:14 2003/06/10 11:14 2003/06/10 11:15 2003/	· -				USPAT	2003/06/10 09:14
1030 (216/38 216/88 216/88) and thickness 16/88 216/88 16/89 3 ("887893" "5733171" "6379230"), pp. USPAT	1030 (216/38 216/88 216/89) and thickness 103987 2003/06/10 09:22 thickness 103887 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:15 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 11:52 2003/06/11 13:37 2003/06/11 13	1030 (216/38 216/88 216/89) and thickness 103927 2003/06/10 09:22 thickness 103927 2003/06/10 11:15 2003/06/11 13:15 2003/06/10 11	-		16		USPAT	
Thickness	thickness 3 ("Se57893" "5733171" "6379230"),pn. USPAT 2003/06/10 11:14 43 156/345.15 43 156/345.15 13 156/345.15 13 156/345.15 13 156/345.16 lead\$1 with polish\$3 with USPAT 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/10 11:27 2003/06/11 11:52 10 mask\$3 with lead\$1 with polish\$3 with USPAT 2003/06/11 11:52 11 mask\$3 with lead\$1 with brush\$3 with USPAT 2003/06/11 11:52 12 mask\$3 with lead\$1 with prackag\$3 12 mask\$3 with lead\$1 with prackag\$3 13 mask\$3 with lead\$1 with prackag\$3 14 (control\$4 with brush\$3 with speed) uSPAT 2003/06/11 13:42 15 control\$4 with brush\$3 with speed) uSPAT 2003/06/11 13:46 15 semiconductor of ((control\$4 with brush\$3) with speed) and USPAT 2003/06/11 13:58 16 ((control\$4 computer) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") 10 ((control\$4 computer) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") 11 (control\$4 computer) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") 12 mask\$3 with lead\$1 with speed with brush\$3 with speed with brush\$3) same (package lead) 13 (control\$4 computer) with speed with brush\$3) same (package lead) 14 (control\$4 computer) with speed with brush\$3) same (package lead) 15 (("semiconductor package")) and brush\$3 USPAT 2003/06/11 14:03 16 (("semiconductor package")) and brush\$3 USPAT 2003/06/11 14:03 17 156/345.15 18 (("semiconductor package")) and brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03 18 (("semiconductor package")) smb brush\$3 USPAT 2003/06/11 14:03	thickness 3 ("555/989" "5733171" "6379230").pm. USPAT 2003/06/10 11:14 2003/06/10 11:14 2003/06/10 11:15 2003/06/20 11:15 2003/06/10 11:15 2003/06/20 11:15 200	_		1030	thickness) and "top ring"		
-	3	3			1030		USPAT	2003/06/10 09:22
156/345.14	156/345.15	156/345.15	-		3		II C DAT	2003/06/10 11-14
156/345.16	1	186/345.24 186/345.14 186/345.14 186/345.25 186/345.26 187	-		77		1	
1 186/349.26 1 186/349.26 1 186/349.26 1 186/349.26 1 186/349.26 1 1203/06/11 11:52 2003/06/11 11:02 20	1	1	-				I	2003/06/10 11:27
	(rotat\$3 or turn\$3)	(rotat\$3 or turn\$3)	-				USPAT	2003/06/10 11:27
			-		1	mask\$3 with lead\$1 with polish\$3 with	USPAT	2003/06/11 11:52
S2			_		0		HCDAM	0000/06/11 11 50
B2	- 82 mask\$3 with lead\$1 with packag\$3	B2	1		1	(rotat\$3 or turn\$3)	USPAT	2003/06/11 11:52
134 Controls4 with brush\$3 with speed and semiconductor (controls4 with brush\$3 with speed) and semiconductor ((controls4 with brush\$3 with speed) and semiconductor) 131 (controls4 with brush\$3 with speed) and semiconductor) 131 (controls4 with brush\$3 with speed) and leads USPAT 2003/06/11 13:42 2003/06/11 14:00 2003/06/11 14:00 2003/06/11 14:00 2003/06/11 14:00 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:01 2003/06/11 14:05 2	74	74	-		I	mask\$3 with lead\$1 with packag\$3	USPAT	2003/06/11 13:37
Controls4 with brush\$3 with speed) and USPAT 2003/06/11 13:46 semiconductor ((control\$4 with brush\$3 with speed) and semiconductor (control\$4 with brush\$3 with speed) and uSPAT 2003/06/11 13:42 semiconductor (control\$4 with brush\$3 with speed) and uSPAT 2003/06/11 13:58 leads ((control\$4 computer) with speed with uSPAT 2003/06/11 14:00 brush\$3)same ("semiconductor package" "semiconductor lead") (uspat)	Controls4 with brush53 with speed) and semiconductor ((controls4 with brush53 with speed) and semiconductor) ((controls4 with brush53 with speed) and leads ((controls4 with brush53 with speed) and leads ((controls6 computer) with speed with brush53)same ("semiconductor package" "semiconductor lead") ((controls6 computer) with speed with brush53)same ("semiconductor package" "semiconductor lead") ((controls6 computer) with speed with brush53)same ("semiconductor package" "semiconductor lead") ((controls6 computer) with speed with brush53)same (package lead) ((controls6 computer) with speed with brush53)same (package lead) ((controls6 computer) with speed with brush53)same (package lead) ((controls6 computer) with speed with brush53) (("semiconductor package") uspar 2003/06/11 14:05 brush53)same (package")) and brush53 (("semiconductor package") uspar 2003/06/11 14:05 brush53)same (package")) and brush53 uspar 2003/06/11 14:08 uspar 2003/06/11 13:09 u	Controlsy with brush\$3 with speed) and semiconductor ((controlsy with brush\$3) with speed) and semiconductor) ((controlsy with brush\$3) with speed) and leads ((controlsy with brush\$3) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") ((controlsy december) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") ((controlsy december) with speed with brush\$3) same ("semiconductor package" "semiconductor lead") ((controlsy december) with speed with brush\$3) same (package lead) ((controlsy december) with speed with brush\$3) same (package lead) ((controlsy december) with speed with brush\$3) same (package lead) ((controlsy december) with speed with brush\$3) same (package") uspan uspan (("semiconductor package") uspan uspan (("semiconductor package") uspan uspan (("semiconductor package")) and brush\$3 uspan (("semiconductor package")) and brush\$3 uspan (("semiconductor package")) uspan u	-			control\$4 with brush\$3 with speed	USPAT	2003/06/11 13:42
Total	Table	74 (controls4 with brush\$3 with speed) and semiconductor) (controls4 with brush\$3 with speed) and	-		/4	(control\$4 with brush\$3 with speed) and	USPAT	2003/06/11 13:46
Semiconductor 131	Semiconductor	Semiconductor	-		74		HODAM	0000/05/55
131 (control\$4 with brush\$3 with speed) and leads 1203/06/11 13:58 1203	131	131				semiconductor)	USPAT	2003/06/11 13:42
leads	leads	leads	-		131	(control\$4 with brush\$3 with speed) and	USPAT	2003/06/11 13:50
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927 (Oxid\$5 with (titanium Ti) with ("titanium USPAT 2003/06/23 14:59 nitride" TiN) with (W tungsten) and	927 (oxid\$5 with (titanium Ti) with ("titanium USPAT 2003/06/23 14:59 nitride" TiN) with (W tungsten)) and (polish\$3 abrad\$3 planariz\$5) 1 3855024.pn. USPAT 2003/06/23 14:59 2003/06/23 14:59 USPAT 2003/12/18 07:46 (film layer) 7068 156/345.12 156/345.14 156/345 USPAT 2004/05/06 14:30 394 156/345.12 156/345.14 156/345.15 USPAT 2004/05/06 15:22	927 (oxid\$5 with (titanium Ti) with ("titanium USPAT 2003/06/23 14:59 nitride" TiN) with (W tungsten)) and (polish\$3 abrad\$3 planariz\$5) 1 3855024.pn.	-		129070	"2" and (polish\$3 abrad\$3 planariz\$5)	USPAT	2003/06/23 14:43
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-	14	(("5514245") or ("5559428") or ("5644221")	USPAT	2004/05/06 15:26
		or ("5659492") or ("5660672") or	001711	2004/03/06 13:26
1	1	("5663637") or ("5676587") or ("5731697")		
		or ("5770948") or ("6555466") or		
ľ		("6558229") or ("6579148") or ("6582282")		-
		or ("6602724")).PN.	1	
-	7	"1066925" "02103777" "02103779"	JPO;	2004/05/06 15:27
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-	1	"1066925" "02103777" "02103779"	EPO	2004/05/06 15:27
-	3354	438/14 216/38 216/84 216/86	USPAT	2004/05/07 05:39
-	85	(438/14 216/38 216/84 216/86) and (chang\$3	USPAT	2004/05/07 07:30
L		near5 (fluid solvent slurry))		2001,00,0,00